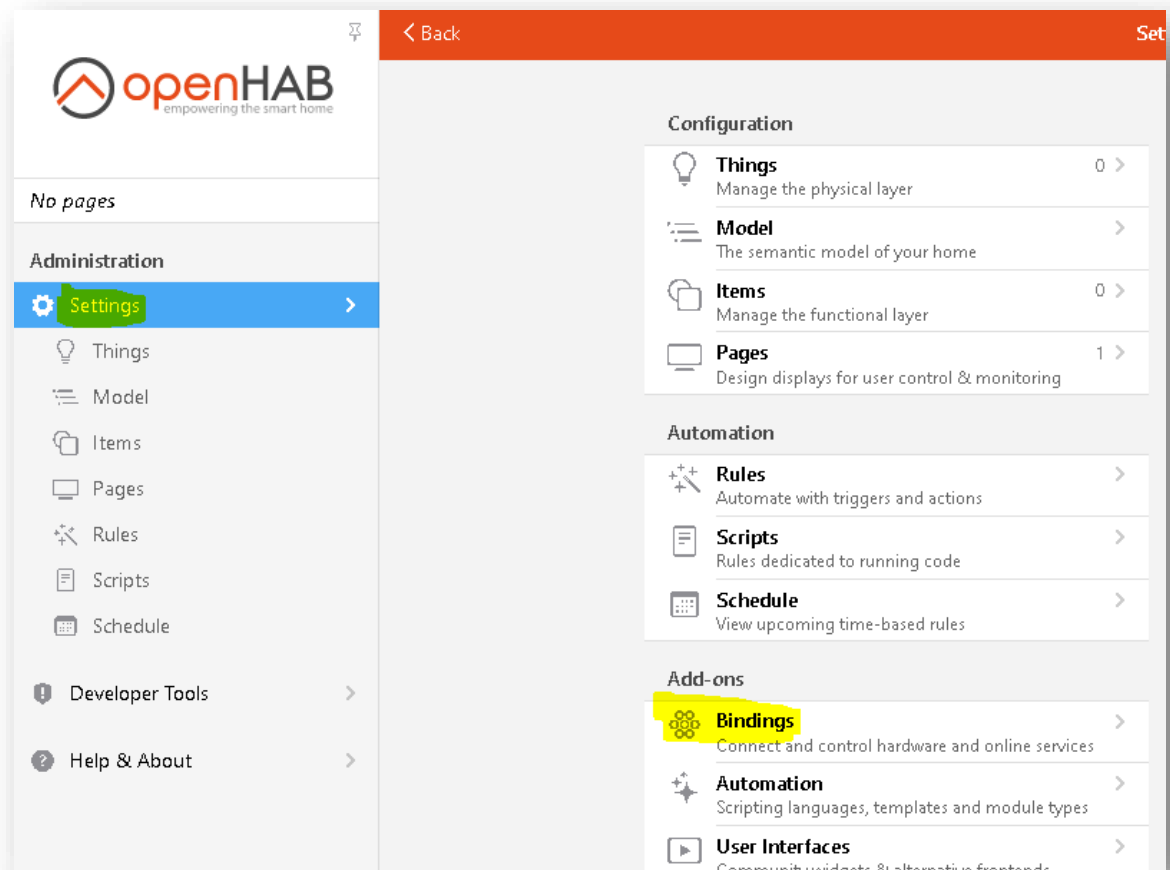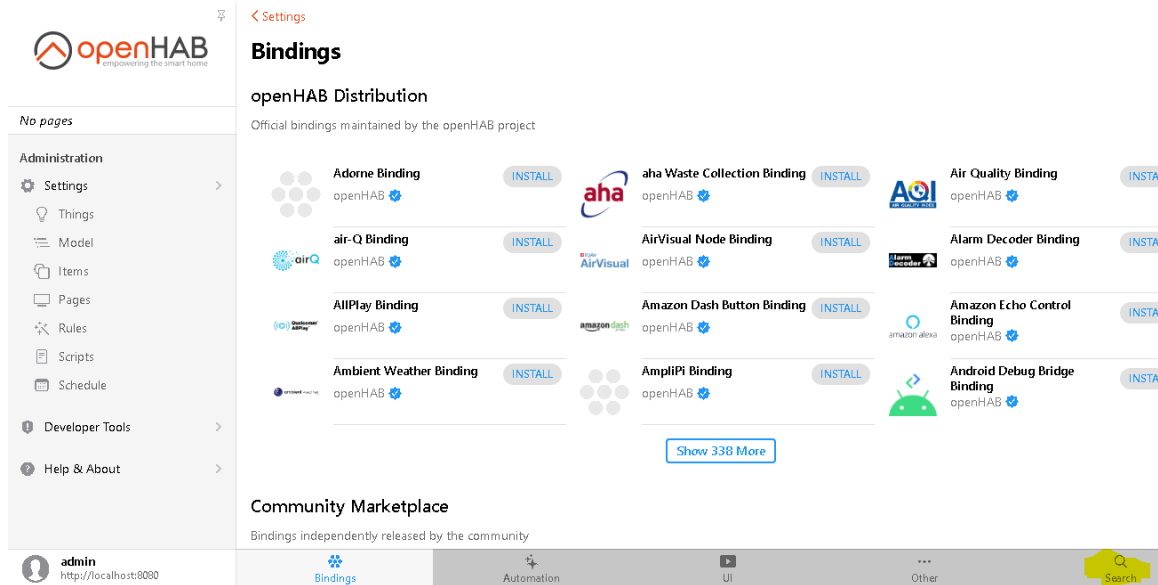# Step 6

KAMOTEQ enabled esp8266 NodeMCU Device Integration to OpenHAB

To add our newly flashed (kamoteq) esp8266 nodeMCU to the OpenHAB follow the
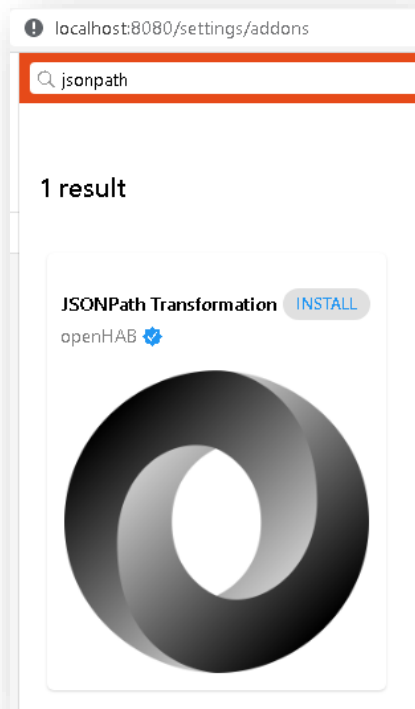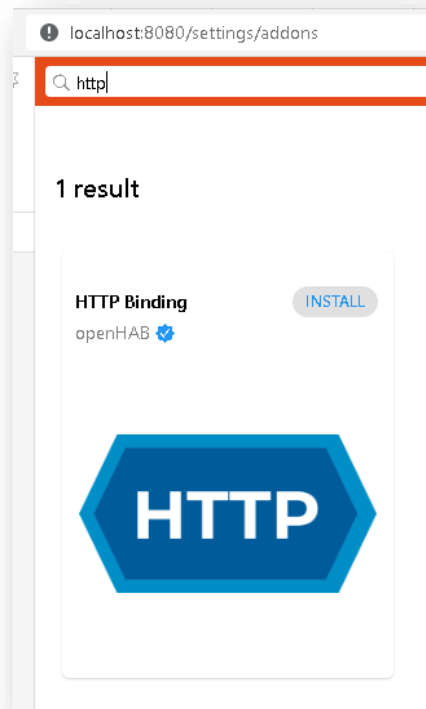
below steps Click Settings > (Add-ons) Bindings

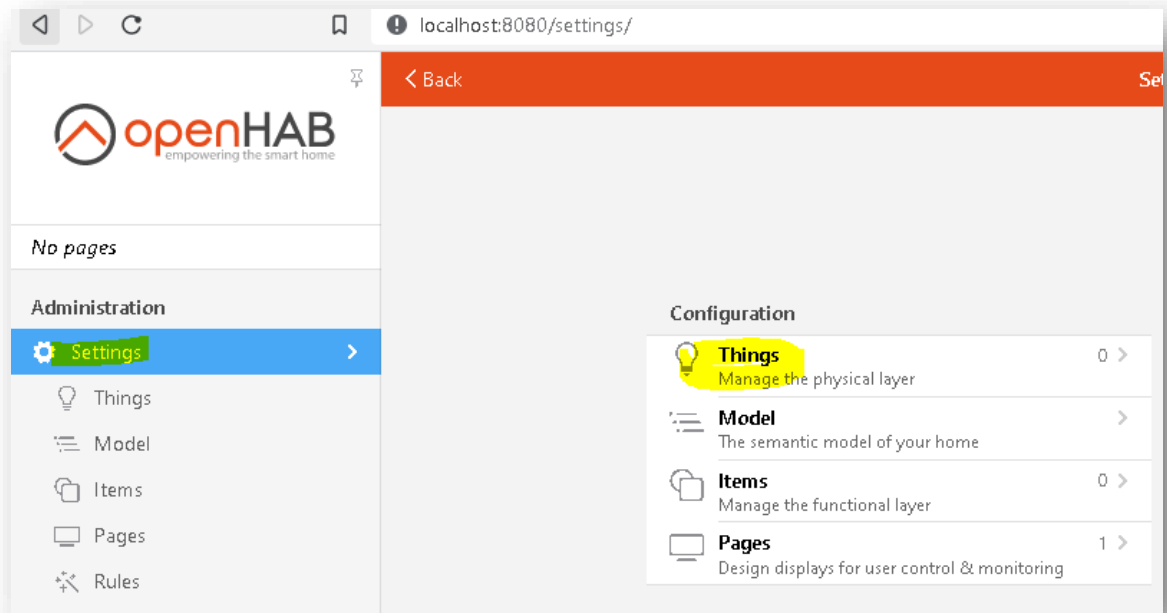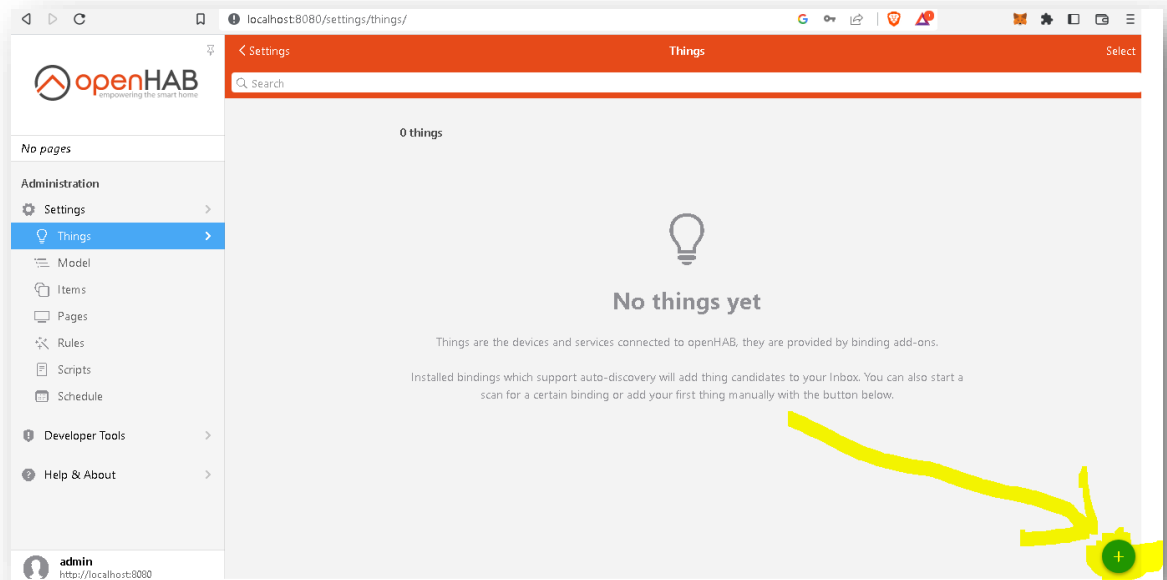Click Search on the far lower right side

Search and install HTTP Binding and JSONPATH

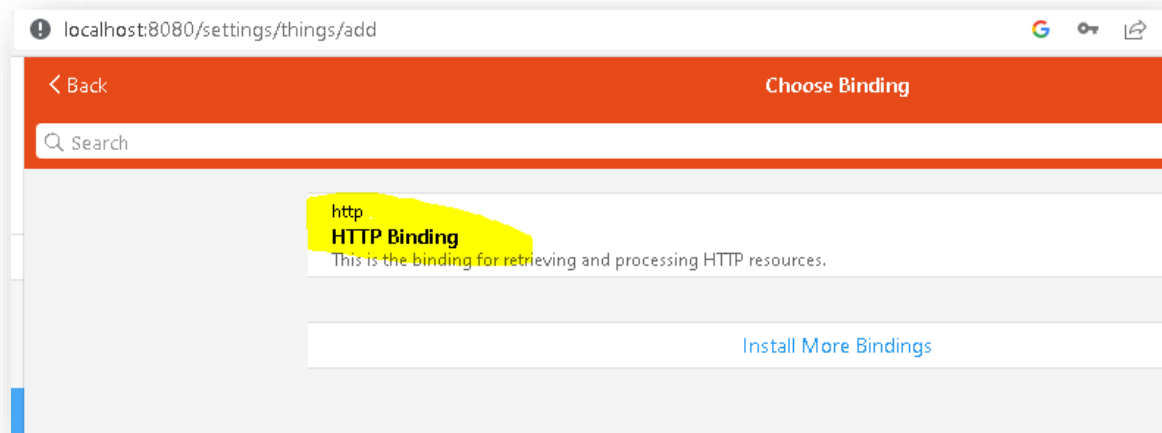

Then go back to the Settings again, and click Things
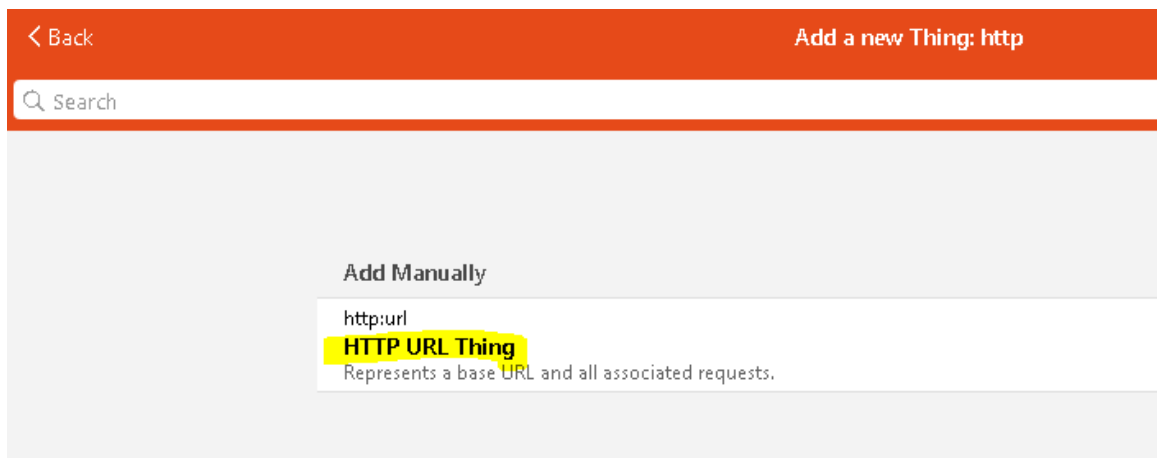
Click the Plus Sign (+) to add a new device
(the button is on the far lower right side)

And click the HTTP binding

Then finally click HTTP URL Thing

The next page will show the configuration form for the new device

Unique ID	a40c85f0bb
	Note: cannot be changed after the creation
Identifier 🗋	http:url:a40c85f0bb
Label	HTTP URL Thing
Location	e.g. Kitchen

HTTP URL Thing

Represents a base URL and all associated requests.

Show advanced ☐

Base URL

Required The URL set here can be extended in the channel configuration.

Refresh Time
30

Time between two refreshes of all channels

Timeout
3000

The timeout in ms for each request

Put a proper Label for your device for later identification

For the Base URL, you got this from STEP 2 NO. 8

Example Base URL from STEP 2 no. 8

SETTINGS AND CONFIGURATIONS	
HTTP Request	**Syntax**
Base-Url	http://rolly/500291dd0ff7
Base-Url	http://192.168.100.2/500291dd0ff7
Get global data	/?req=stat
Get GPIO4 current pin status	/?req=stat&pin=4
Set GPIO4 pin to HIGH (mode=on,1,true would result same effect)	/?req=set&pin=4&mode=on
Set GPIO4 pin to LOW (mode=off,0,false would result same effect)	/?req=set&pin=4&mode=off
[Warning] This will erase currently saved Wifi SSID/PASS	/?req=eraserequest

Note: "secret" can be obtain from Arduino IDE serial monitor, during device bootup.

And for testing purposes, we will set the Refresh Time to 5 seconds

Once you have verified all information is correct you can go ahead and click Create Thing To complete the new device

This completes
STEP 6 (KAMOTEQ enabled esp8266 NodeMCU Device Integration to OpenHAB)

Proceed to STEP 7 (Add a new switch pin to OpenHAB)

End